

# HENG Hian Wee

Enthusiastic and highly motivated postgraduate student looking to make a meaningful impact in tech. Has experience in teaching at pre-university level, amateur web development, malware analysis, and penetration testing. Willing to learn and pick up new skills to thrive in new working environments. Looking to start a career as a developer, researcher, or in cybersecurity.

## Experience

Lecturer · **Taylor's College** Aug 2020 – Dec 2022

- Lectured subjects (and acted as subject leader) offered in
  - Foundation in Computing (avg. 80-100 students per subject): Introduction to Computing, Web Programming
  - Diploma in Information Technology (avg. 10-20 students per subject): Object-Oriented Programming, Object-Oriented Analysis and Design
- Assisting tutor for: Practical IT Skills, Introduction to Algorithm
- Additional duties: grading assignments and final exams for led and tutored subjects, preparing class material
- Developed new syllabi under Taylor's Curriculum Framework 2.0 (TCF 2.0) for all lectured subjects as subject leader; syllabi utilized since Aug 2022

Research Support Personnel · **Taylor's University** Jun 2019 – Feb 2020

- Developed Capstone Project Repository (CPR) for the ongoing knowledge management research project
- Project Title: Prescriptive Knowledge Elicitation Model for Knowledge Management

## Selected Projects

### A More Efficient & Accurate Crash Root Cause Analysis Tool based on Large Language Model (LLM)

- A CLI analysis tool built with Node.js, TypeScript, and OpenAI's GPT-4 API; tasked to analyze underlying causes of software crashes with comprehensive insights into root issues.

### Capstone Project Repository (CPR)

- A web repository containing past capstone project entries by ex-students for Taylor's undergraduate computing programs.
- Project inherited from a previous student developer; pitched to the Head of Faculty of Innovation and Technology (FIT).

### International Procurement Online Matching System (IPOMS)

- A web portal for SMEs to advertise their businesses to a global audience; worked on the prototype for the company as part of a group-effort final year project.

### Lucy B.'s Art Portfolio

- An art student's web portfolio showcasing previous works and art commissions using Next.js, TypeScript, and Node.js for dynamic retrieval of images from internal directories.

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## Education

### Nanyang Technological University

MSc. in Cybersecurity

Jan 2023 – Present · CGPA 3.83/5.00

- Expected graduation: May 2024

### University of West England, Bristol

BSc. Computer Science (Hons)

Aug 2015 – Aug 2018 · CGPA 3.80/4.00

- Dual-award program with Taylor's University

## Skills

### Security & Diagnostic Tools

Burp Suite, Wireshark, Snort, YARA, REMnux, SIFT Workstation

### Programming Languages

JavaScript (ES2015+), TypeScript, HTML, CSS, PHP, C#, MySQL, SQLite, C/C++, Java, Python

### Libraries & Frameworks

React, Next.js, Node.js, Bootstrap 5, SASS, Chakra UI, Tailwind CSS, Radix UI, DaisyUI, Vitest

### Virtualization & Deployment

VMWare Fusion, Parallels Desktop, VirtualBox, Docker, Git/GitHub, Vercel, DigitalOcean, FileZilla, WinSCP, Cyberduck

### Miscellaneous

Android Studio, Material for MkDocs, VuePress, Jekyll, WordPress, Ghost

## Languages

English, Chinese, Malay